

Unclassified
FY 2000/2001 BIENNIAL BUDGET ESTIMATES

Exhibit R-2, RDT&E Budget Item Justification						Date: FEBRUARY 1999				
APPROPRIATION/BUDGET ACTIVITY: 0400/06					R-1 ITEM NOMENCLATURE Defense Human Resources Activity: 0605803S					
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
Total PE Cost	8.016	8.151	8.261	8.825	8.877	9.022	9.022	8.978	Continuing	Continuing
0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.952	Continuing	Continuing
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing
0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing
A. <u>Mission Description and Budget Item Justification</u> (See Enclosures) The Department approved the merger of Defense Manpower Data Center (DMDC) and Defense Civilian Personnel Management Service to form a single field activity the Defense Human Resources Activity beginning in FY 1998.										

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0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing
A. Mission Description and Budget Item Justification										
0001 The Joint Service programs were established by the Secretary of Defense to improve the training and readiness of the Active and Reserve Components. The PE is located in Budget Activity 6, RDT&E Management Support, to expedite the prototype development of new training and readiness technologies and Joint Service training and readiness systems which improve the training and readiness effectiveness and enhance the performance of the military forces. It also facilitates the sharing of training and readiness information, while allowing for the transfer of emerging and innovative technologies among the Services and private sector.										
0002 This project supports the Defense Human Resources Field Activity (DHRA) and DoD training managers (OSD, Joint Staff, Unified Commands, and the Services) in promoting more efficient and effective use of training resources, increasing the effectiveness of military training, and enhancing the readiness and performance of the military forces. Projects analyze the contributions to readiness of various training techniques and programs and use the results to expedite new training concepts and procedures that increase unit effectiveness or decrease costs. Emphasis is placed on developing analytical tools and systematic methodologies to improve training resource allocations.										
0003 The project is located in Budget Authority 6, RDT&E Management Support, to administer testing programs which enable the Armed Services to select highly qualified military recruits. The DoD uses a single test, the Armed Services Vocational Aptitude Battery (ASVAB) to determine eligibility of military applicants and to report recruit quality data to Congress. High quality recruits are obtained from administering the ASVAB annually to approximately 600,000 applicants for Military Service as part of the DoD Enlistment Testing program, and to 1 million students in the DoD Student Testing program. Each Service also uses ASVAB test forms developed in this program as part of their in-service testing programs.										

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Total PE Cost	8.016	8.151	8.261	8.825	8.877	9.022	9.022	8.978	Continuing	Continuing
0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.952	Continuing	Continuing
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing
0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing
A. Mission Description and Budget Item Justification (Continued)										
0003 New ASVAB test forms and related support materials are implemented every four years. This allows DoD to make measurement improvements as well as decrease the likelihood of test compromise. Ongoing RDT&E efforts control functions include development and evaluation of procedures which (1) reduce or eliminate threats to the validity of the ASVAB test scores generated; (2) improve the efficiency of the test development, calibration, and validation process; and (3) improve selection and classification decisions made by each Service through more effective use of test score information. In addition, periodic assessments are required to provide DoD manpower planners and Congress with information on aptitude trends in the population from which recruits are drawn.										
B. Program Change Summary			FY98	FY99	FY00	FY01	Total Cost			
Previous President's Budget			8.016	8.248	8.371	8.958	Continuing			
Adjustments to Appropriated Value				-.097	-.110	-.133				
Current Budget Submit/President's Budget			8.016	8.151	8.261	8.825	Continuing			
FY 99 reflects -\$97 thousand for congressional undistributed reductions. FYs 00 and 01 reflect inflation reductions.										
C. Other Program Funding Summary				(N/A)						

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COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTALCOST
0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.952	Continuing	Continuing
A. <u>Mission Description & Budget Item Justification</u>										
0001 The Joint Service programs were established by the Secretary of Defense to improve the training and readiness of the Active and Reserve Components. The PE is located in Budget Activity 6, RDT&E Management Support, to expedite the prototype development of new training and readiness technologies and Joint Service training and readiness systems which improve the training and readiness effectiveness and enhance the performance of the military forces. It also facilitates the sharing of training and readiness information, while allowing for the transfer of emerging and innovative technologies among the Services and private sector.										
B. <u>Program Change Summary</u>				FY98	FY99	FY00	FY01	TOTAL COST		
Previous President's Budget				3.531	3.636	3.707	3.978	Continuing		
Adjustments to Appropriated Value					-.084	-.049	-.059			
Current President's Budget Submission				3.531	3.552	3.658	3.919	Continuing		
C. <u>Other Program Funding Summary</u>				(N/A)						
D. <u>Schedule Profile</u>										
FY 1998 Accomplishments: (3.531)										
o Developed comprehensive DoD strategy to gain full benefit from embedded training technologies										
o Developed guidelines for using networked simulation to improve mission readiness through rehearsal and risk assessment										
o Developed methods to reengineer individual training processes through the use of Advanced Distributed Learning (ADL)										

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0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.052	Continuing	Continuing
FY 1999 Plans (3.552) <ul style="list-style-type: none">o Test comprehensive DoD strategy to gain full benefit from embedded training technologieso Develop a system to archive joint training effectiveness datao Continue development of methods to reengineer individual training processes through the use of ADLo Study effects of the Global Military Force Management Policy and its affect on management of Low Density High Demand units										
FY 2000 Plans (3.658) <ul style="list-style-type: none">o Oversee implementation of methods to reengineer individual training processes through the use of ADLo Implement DoD strategy to gain full benefit from embedded training technologieso Develop guidelines for using networked simulation to improve mission readiness through rehearsal and risk assessment										
FY 2001 Plans (3.919) <ul style="list-style-type: none">o Develop a common DoD master plan for collaborative development of ADL contento Develop recommendations on ways JSIMS and supporting tools can be integrated into the Joint Experimentation processo Develop recommendations on DoD policy to acquire interoperable Integrated Electronic Technical Manuals and training weapon systems support products										

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COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing
<p>A. <u>Mission Description & Budget Item Justification</u></p> <p>0002 This project supports the Defense Human Resources Activity (DHRA) and DoD training managers (OSD, Joint Staff, Unified Commands and the Services) in promoting more efficient and effective use of training resources, increasing the effectiveness of military training, and enhancing the readiness and performance of the military forces. Projects analyze the contributions to readiness of various training techniques and programs and use the results to expedite new training concepts and procedures that increase unit effectiveness or decrease costs. Emphasis is placed on developing analytical tools and systematic methodologies to improve training resource allocations.</p>										
B. <u>Program Change Summary</u>					FY98	FY99	FY00	FY01	TOTAL COST	
Previous President's Budget					2.774	2.855	2.891	3.123	Continuing	
Adjustments to Appropriated Value						-.008	-.038	-.046		
Current President's Budget Submission					2.774	2.847	2.853	3.077	Continuing	
C. <u>Other Program Funding Summary</u>					(N/A)					
D. <u>Schedule Profile</u>										
FY 1998 Accomplishments (2.774)										
<ul style="list-style-type: none"> o Completed an analysis of the current institutional training infrastructures of the Services, identifying areas which are candidates for reengineering and which offer potential savings o Designed and built an analytical decision support tool that links key collective/unit training data to resource requirements o Developed analytical tools and methods to expedite the implementation of more cost-effective training concepts that enhance individual and unit performance 										

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0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing
FY 1999 Plans (2.847) <ul style="list-style-type: none">o Develop a system to provide resources, facilities and simulations for effective Service-level and joint trainingo Develop recommendations to increase the use of private-sector entities in performing training functionso Examine opportunities for training consolidation										
FY 2000 Plans (2.853) <ul style="list-style-type: none">o Continue development of a system to provide resources, facilities and simulations for effective Service-level and joint trainingo Demonstrate methods to estimate future resource needs for readinesso Test recommendations to increase the use of private-sector entities in performing training functions										
FY 2001 Plans (3.077) <ul style="list-style-type: none">o Test system development to provide resources, facilities and simulations for effective Service level and joint trainingo "Normalize" Status of Readiness and Training System (SORTS) to address changes in training policy and force structureo Analyze test results of program to increase use of private sector entities in performing training functions										

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0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing
A. <u>Mission Description & Budget Item Justification</u> 0003 The primary mission is to test and implement more accurate methods of assessing aptitudes required for military enlistment, success in training, and performance on the job. Also, it includes implementing methods that are useful in the identification of persons with the high aptitudes required by today's smaller and technically more demanding military.										
B. <u>Program Change Summary</u>					FY98	FY99	FY00	FY01	TOTAL COST	
Previous President's Budget					1.711	1.757	1.773	1.857	Continuing	
Adjustments to Appropriated Value						-.005	-.023	-.028		
Current President's Budget Submission					1.711	1.752	1.750	1.829	Continuing	
C. <u>Other Program Funding Summary</u>							(N/A)			
D. <u>Schedule Profile</u> FY 1998 Accomplishments (1.711) <u>DoD Enlistment Testing Program (ETP) (1.027 million)</u> <ul style="list-style-type: none">o Developed and calibrate new test items for the next generation of CAT-ASVAB formso Implemented new CAT-ASVAB forms ¾ <u>DoD Student Testing Program (STP) (.684 million)</u> <ul style="list-style-type: none">o Updated and implement support materials for the Career Exploration Programo Began revision of the DoD STP document called <i>Military Careers</i>o Published new Technical Manual for the Student Testing Program										

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FY 1999 Plans (1.752) <u>Enlistment Testing Program (ETP) (1.051 million)</u> <ul style="list-style-type: none">o Resolve issues surrounding and implement new ASVAB ordero Begin on-line calibration of new ASVAB test itemso Develop new test items for out-years paper and pencil and CAT-ASVAB forms (for years 2004 and beyond) <u>Student Testing Program (STP) (.701 million)</u> <ul style="list-style-type: none">o Publish revisions for the ASVAB Student Workbook and Technical Manual for the ASVAB 18/19 Career Exploration Program FY 2000 Plans (1.750) <u>DoD Enlistment Testing Program (ETP) (1.050 million)</u> <ul style="list-style-type: none">o Implement new ASVAB test ordero Continue development of on-line calibration procedures. Publish results to-date in professional literatureo Prepare for Implementation of new normative informationo Continue with development of new normative score scale for implementation this year or nexto Develop other analyses of normative data and publisho Continue development of procedures to detect compromise and item parameter drift on computer adaptive tests. <u>DoD Student Testing Program (STP) (.700 million)</u> <ul style="list-style-type: none">o Continue development of new ASVAB forms for the Student Testing Programo Prepare for implementation of new normative information FY 2001 Plans (1.829) <u>DoD Enlistment Testing Program (ETP) (1.097 million)</u> <ul style="list-style-type: none">o Implement new normative score scaleo Implement new forms of the paper and pencil ASVAB for the enlisted testing programo Continue with on-line item calibration and begin research stream for on-line form calibrationo Implement new procedures for detection of item/test compromise <u>DoD Student Testing Program (STP) (.732 million)</u> <ul style="list-style-type: none">o Implement new career exploration program with new materialso Implement new normative information and score scale for STP ASVABo Implement now normative information and score scale for the interest-findero Revise Military Careers to be compatible with the O*NET										